

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
Case No. 11686US01

PATENT

In the Application of:)
Rajiv Ramaswami et al.)
Serial No.: 08/641,061)
Filed: April 29, 1996)
For: MULTICHANNEL RING AND)
STAR NETWORKS WITH)
LIMITED CHANNEL CONVERSION)
Examiner:)
Group Art Unit:)

CERTIFICATE OF MAILING

I hereby certify that this correspondence and all correspondence referenced herein are being deposited with the United States Postal Service as first class mail in an envelope addressed to the Asst. Commissioner for Patents, United States Patent and Trademark Office, Washington DC 20231, on April 7, 1997.

By:


Robert B. Polit
Reg. No. 33,993

POWER OF ATTORNEY

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Tellabs, Inc., assignee of the above-captioned patent application, as manifest by Appendix H, hereby revokes all prior powers of attorney and appoints the following individuals as their representatives in connection with all matters relating to the application:

George P. McAndrews	Reg. No. 22,760
John J. Held, Jr.	Reg. No. 21,061
Timothy J. Malloy	Reg. No. 25,600
William M. Wesley	Reg. No. 26,521
Lawrence M. Jarvis	Reg. No. 27,341
Gregory J. Vogler	Reg. No. 31,313
Jean Dudek Kuelper	Reg. No. 30,171
Herbert D. Hart III	Reg. No. 30,063
Robert W. Fieseler	Reg. No. 31,826
D. David Hill	Reg. No. 35,543
Thomas J. Wimbiscus	Reg. No. 36,059
Steven J. Hampton	Reg. No. 33,707
Priscilla F. Gallagher	Reg. No. 32,223
Stephen F. Sherry	Reg. No. 30,590
Patrick J. Arnold Jr.	Reg. No. 37,769
Robert B. Polit	Reg. No. 33,993

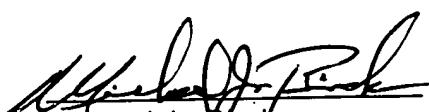
George F. Wheeler Reg. No. 28,766
Janet M. McNicholas Reg. No. 32,918
Ronald E. Larson Reg. No. 24,478
Christopher C. Winslade Reg. No. 36,308 ✓
Edward A. Mas II Reg. No. 37,179
Gregory C. Schodde Reg. No. 36,668
Phyllis T. Brim Reg. No. 39,864
Sharon A. Hwang Reg. No. 39,717
Dean D. Small Reg. No. 34,730
Kirk A. Vander Leest Reg. No. 34,036
Anthony E. Dowell Reg. No. 39,661
Peter J. McAndrews Reg. No. 38,547
Daniel L. Pollmann Reg. No. 38,996.

Please address all correspondence and direct all telephone calls to:

Robert B. Polit
McAndrews, Held & Malloy, Ltd.
500 W. Madison, 34th Floor
Chicago, IL 60661
312.707.8889.

Respectfully submitted,

4/3/97
Date



Michael J. Birck
President and CEO
Tellabs, Inc.

McAndrews, Held & Malloy, Ltd.
500 W. Madison Street, 34th Floor
Chicago, Illinois 60661
312.707.8889

JUL
22 48

DOC. NO. YO996-065

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

I, below named inventor, I hereby are that:

My ~~signature~~ post office address and citizenship are as stated below next to my name:

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:
MULTICHANNEL RING AND STAR NETWORKS WITH LIMITED CHANNEL CONVERSION
the specification of which (check one)

is attached hereto.

XX was filed on April 29, 1996 as

Application Serial No. 08/641,061

and was amended on _____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

			Priority Claimed
(Number)	(Country)	(Day/Month/Year Filed)	X Yes No
			Yes No
			Yes No
			Yes No

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States Application(s) listed below and, Insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose information material to the patentability of this application as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.) (Filing Date) (Status) (patented, pending, abandoned)

(Application Serial No.) (Filing Date) (Status) (patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (list name and registration number).

Manny W. Schechter (Reg. No. 31,722) Marc D. Schechter (Reg. No. 28,989),
and Douglas W. Cameron (Reg. No. 31,596).

Send Correspondence to: Douglas W. Cameron Intellectual Property Law Dept.

IBM Corporation, P.O. Box 218, Yorktown Heights, New York 10598

Direct Telephone Calls to: (name and telephone number) Douglas W. Cameron (914) 945-3244

Rajiv Ramaswami 1-00

Full name of sole or first inventor

R.W. Inventor's Signature

4/27/96 Date

52 Croton Avenue, Apt. 6C, Ossining, New York 10562

Residence

India

Citizenship

Same as above

Post Office Address

H.

2-00

Galen Sasaki

Full name of second joint-inventor, if any

Helen H. Sasaki

Inventor's signature

5/10/96

Date

P. O. Box 10538, Honolulu, Hawaii 96816

#1

Residence

United States of America

Citizenship

Same as above

Post Office Address



116861-01 LMJ/RBP/LAS

UNITED STATES DEPARTMENT OF COMMERCE

Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER

OF PATENTS AND TRADEMARKS

Washington, D.C. 20231

APRIL 17, 1997

PTAS

MCANDREWS, HELD & MALLEY
ROBERT B. POLIT
500 WEST MADISON STREET
34TH FLOOR
CHICAGO, IL 60661



100359627A

JC530 U.S. PTO
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/10/1997

REEL/FRAME: 8351/0156

NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

INTERNATIONAL BUSINESS MACHINES
CORPORATION

DOC DATE: 01/10/1997

ASSIGNEE:

TELLABS OPERATIONS, INC.
4951 INDIANA AVENUE
LISLE, ILLINOIS 60532

SERIAL NUMBER: 08641061

FILING DATE: 04/29/1996

PATENT NUMBER:

ISSUE DATE:

SHARMALLA SIMPSON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

02-20-1997



100359627

FEB 10 1997

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copies thereof.

~~RECEIPT ACCT~~

1. Name(s) of conveying party(ies):
International Business Machines Corporation

MRD 2-10-97

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

Assignment Merger

Security Agreement Change of Name

Other: _____

Execution Date: January 10, 1997

2. Name(s) and address(es) of receiving party(ies):

Tellabs Operations, Inc.
4951 Indiana Ave.
Lisle, IL 60532

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

08/641,061

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Robert B. Polit
McAndrews, Held & Malloy
500 West Madison Street
34th Floor
Chicago, Illinois 60661

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number: 13-0017

(Attach duplicate copy of this page if paying by deposit account)

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\$ 40 ck.

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Signature and Registration Number:

420 VM 02/19/97 08641061

1581

40.00 US

33,993

Date: February 5, 1997

Name of Person Signing: Robert B. Polit

JC530 U.S. P. 362635
09/21/99

APPENDIX H

ASSIGNMENT

Whereas, International Business Machines Corporation, a corporation of the State of New York, having a place of business at Armonk, New York (hereinafter called IBM) is the owner of the below-listed patents and patent applications; and

Whereas, Tellabs, Inc., a corporation of the State of Delaware, having a place of business at Lisle, Illinois (hereinafter called Tellabs) desires to acquire the entire right, title and interest in said patents and patent applications and to any foreign counterparts obtained therefor, subject to certain reserved rights of IBM.

Now, therefore, for valuable consideration, receipt of which is hereby acknowledged, IBM hereby sells, assigns and transfers to Tellabs, its successors and assigns, the entire right, title and interest in and to the below listed United States patents and patent applications, and all counterpart patents and patent applications in foreign countries, if any, including any and all continuations, continuations-in part, divisions, substitutions, or reissues thereof, together with the right to sue for past infringement thereof, subject to certain reserved rights of IBM specified in an agreement entitled Agreement Regarding Assignment and License of Wavelength Division Multiplexing/Optical Networking Technology and Sale of Related Assets, dated January 10, 1997.

IBM respectfully requests the Commissioner of Patent and Trademarks Office to issue any Letters Patent granted upon the inventions set forth in said below-listed patent applications to Tellabs, its successors and assigns and agrees that Tellabs may continue to prosecute and apply for United States Patents and foreign Letters Patent on said inventions.

Patent:

United States Patent 5,483,372 to Paul E. Green, Jr.

United States Patent Applications:

S/N 08/728,871 of Stuart D. Brorson, et. al. filed 10/10/96

S/N 08/641,061 of Rajiv Ramaswami, et. al. filed 4/29/96

S/N 08/618,652 of Ornan A. Gerstel, et. al. filed 3/19/96

For International Business Machines Corporation:

Paul Horn
Paul Horn, Senior Vice President, Research

Date: Jan 10, 1997



YU476 00
UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

OCTOBER 28, 1996

KMJ

PTAS

IBM CORPORATION
DOUGLAS W. CAMERON
INTELLECTUAL PROPERTY LAW
P.O. BOX 218
YORKTOWN HEIGHTS, NY 10598



*100257575A

1C530 U.S. PTO
09/362635
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/22/1996

REEL/FRAME: 8087/0158
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNEE:

RAMASWAMI, RAJIV

DOC DATE: 04/29/1996

ASSIGNEE:

SASAKI, GALEN H.

DOC DATE: 05/10/1996

ASSIGNEE:

IBM CORPORATION
OLD ORCHARD ROAD
ARMONK, NEW YORK 10504

SERIAL NUMBER: 08641061

FILING DATE: 04/29/1996
ISSUE DATE:

PATENT NUMBER:

JACQUELINE MOORE, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231



100257575B

AUTHORIZATION TO CHARGE ADDITIONAL FEES TO DEPOSIT ACCOUNT

OCTOBER 28, 1996

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FROM: ASSIGNMENT DIVISION
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CHARGE THE DEPOSIT ACCOUNT LISTED BELOW ADDITIONAL FEE(S) AS INDICATED BELOW. AUTHORIZATION TO CHARGE ADDITIONAL FEES HAS BEEN PROVIDED PER THE ATTACHED COVER SHEET, OR BY DIRECT CONTACT WITH THE CUSTOMER.

DEPOSIT ACCOUNT NUMBER: 09-0468
PROPERTY NUMBER: 08641061

RECORDING FEES:

FEE CODE: 581 AMOUNT: 40

IF YOU HAVE ANY QUESTIONS REGARDING THIS NOTICE, YOU MAY CONTACT THE INDIVIDUAL WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.

JACQUELINE MOORE, EXAMINER
ASSIGNMENT DIVISION
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RECORDATION SECOND AND	482
SUBSEQUENT MARK IN SAME DOCUMENT	
LABOR CHARGES FOR SERVICES PER HOURS	484
OR FRACTION THEREOF	
UNSPECIFIED OTHER SERVICES	485

PATENT SERVICE FEES:

RECORDING EACH PATENT ASSIGNMENT, 581

AGREEMENT, OTHER P. R, PER PROPERTY LABOR CHARGES FOR SERVICES PER HOUR (\$30) OR FRACTION THEREOF	584
UNSPECIFIED OTHER SERVICES	585

44
1996
PAT & TRADEMARK OFF.

RECORDATION FORM COVER SHEET
PATENTS ONLY

To The Honorable Commissioner of Patents and Trademarks:
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Rajiv Ramaswami Galen H. Sasaki	2. Name and address of receiving party(ies): 08-20-1996 IBM Corporation Old Orchard Road Armonk, NY 10504
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Additional name(s) & addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment Execution Date(s): 04/29/96 and 05/10/96	4. Patent Application number(s) 15365 U.S. PTO Execution Date(s): 08/20/96
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Douglas W. Cameron Address: IBM Corporation Intellectual Property Law P.O. Box 218 Yorktown Heights, NY 10598	6. Total number of applications involved: 1
	7. Total fee (37 CFR 3.41): \$40.00 <input checked="" type="checkbox"/> Charge to Deposit Account No.: 09-0468

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8. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of original document.

Douglas W. Cameron (Reg. No. 31,596)

July 17, 1996

Name of Person Signing	Signature	Date
Total number of pages including cover sheet, attachments, and document:		

2

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Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Box Assignments
Washington, DC 20231

ASSIGNMENT

Whereas, we

INVENTOR (1) Rajiv Ramaswami of Ossining
AND CITY County of Westchester and State of New York

and (2) Galen H. Sasaki of Honolulu
County of and State of Hawaii

have invented certain improvements in

MULTICHANNEL RING AND STAR NETWORKS WITH LIMITED CHANNEL CONVERSION

DATES THAT and executed, respectively, a United States patent application therefor on
INVENTORS
SIGNED THE (1) April 29, 1996 and (2) 10 May 1996
DECLARATION

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said applications to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed and Sealed

CITY (1) at Yorktown Hgts., NY
DATE on April 29, 1996. (Rajiv FIRST NAME MIDDLE INITIAL Ramaswami)
LAST NAME

CITY (2) at Honolulu, HI
DATE on 10 May 1996.

Galen *H.* *Sasaki*

Galen H. Sasaki

FIRST NAME	MIDDLE INITIAL	LAST NAME
Galen	H.	Sasaki

State of New York
County of Westchester

88.

Inventor (1) On this 29th day of April 1996, before me personally came Rajiv Ramaswami to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Lucille Fourgeot
Notary
LUCILLE FOURGEOT
NOTARY PUBLIC, State of New York
No. 4502670
Qualified in Westchester County
Commission Expires 06/30/97